

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	7648	(hitch\$4 or coupler) near5 pin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/06 20:00
L2	2149	(hitch\$4 or coupler) adj pin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/06 20:00
L3	2107	(hitch or coupler) adj pin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/06 20:02
L4	2164	(hitch or coupler or draft) adj pin	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/06 20:02
L5	40847	(411/\$6).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/06 20:02
L6	345	(280/515).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/06 20:02
L7	0	("4and(5or6)").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/06 20:02
L8	78	4 and (5 or 6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/06 20:02
L9	14	("2454856"   "2682414"   "3011801"   "3865407"   "4087112"   "4555125").PN. OR ("6145866"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:20

## EAST Search History

L10	71	("1566473"   "1963514"   "2541638"   "2677261"   "3197239"   "3279302"   "3453846"   "3476007"   "3559429"   "3652114"   "3673910"   "3721112"   "3783657"   "3843160"   "3861267"   "3902339"   "3908415"   "3911761"   "3963264"   "3999414"   "4141232"   "4198026"   "4226100"   "4236395"   "4277961"   "4298212"   "4438642"   "4440005"   "4576021"   "4619122"   "4637234"   "4711106"   "4730468"   "4888967"   "4964285"   "5004133"   "5022243"   "5027630"   "5050413"   "5063763"   "5152160"   "5197314"   "5216903"   "5269161"   "5272894"   "5284038"   "5437515"   "5447045"   "5467619"   "5507611"   "5540065"   "5664445"   "5676258"   "5794465"   "6055832"   "6145866"   "6409283"   "D428795"   "D439827"   "D444050"   "D447043"   "D461392").PN. OR ("D531008"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:22
-----	----	---	------------------------------	----	----	------------------

## EAST Search History

L11	79	("0325221"   "1566473"   "2541638"   "2677261"   "3176007"   "3197239"   "3453846"   "3559429"   "3652114"   "3673910"   "3721112"   "3783657"   "3843160"   "3861267"   "3902339"   "3908415"   "3911761"   "3963264"   "3999414"   "4141232"   "4198026"   "4226100"   "4236395"   "4277961"   "4298212"   "4438642"   "4440005"   "4576021"   "4619122"   "4637234"   "4711106"   "4730468"   "4732019"   "4844498"   "4888967"   "4964285"   "5004133"   "5022243"   "5027630"   "5050413"   "5063763"   "5152160"   "5197314"   "5216903"   "5269161"   "5272894"   "5284038"   "5437515"   "5447045"   "5467619"   "5507611"   "5540065"   "5664445"   "5676258"   "5682775"   "5794465"   "6055832"   "6145866"   "6409283"   "6425272"   "6575000"   "6672115"   "D255772"   "D283199"   "D428795"   "D439827"   "D444050"   "D447043"   "D461392"   "D501131"   "D511292").PN. OR ("D525857"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:22
-----	----	---	------------------------------	----	----	------------------

## EAST Search History

L12	79	("0325221"   "1566473"   "2541638"   "2677261"   "3176007"   "3197239"   "3453846"   "3559429"   "3652114"   "3673910"   "3721112"   "3783657"   "3843160"   "3861267"   "3902339"   "3908415"   "3911761"   "3963264"   "3999414"   "4141232"   "4198026"   "4226100"   "4236395"   "4277961"   "4298212"   "4438642"   "4440005"   "4576021"   "4619122"   "4637234"   "4711106"   "4730468"   "4732019"   "4844498"   "4888967"   "4964285"   "5004133"   "5022243"   "5027630"   "5050413"   "5063763"   "5152160"   "5197314"   "5216903"   "5269161"   "5272894"   "5284038"   "5437515"   "5447045"   "5467619"   "5507611"   "5540065"   "5664445"   "5676258"   "5682775"   "5794465"   "6055832"   "6145866"   "6409283"   "6425272"   "6575000"   "6672115"   "D255772"   "D283199"   "D428795"   "D439827"   "D444050"   "D447043"   "D461392"   "D501131"   "D511292").PN. OR ("D524144"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:22
-----	----	---	------------------------------	----	----	------------------

## EAST Search History

L13	77	("1566473"   "1667254"   "2541638"   "2677261"   "3176007"   "3197239"   "3453846"   "3559429"   "3652114"   "3673910"   "3721112"   "3783657"   "3843160"   "3861267"   "3902339"   "3908415"   "3911761"   "3963264"   "3999414"   "4141232"   "4198026"   "4226100"   "4236395"   "4277961"   "4298212"   "4438642"   "4440005"   "4576021"   "4619122"   "4637234"   "4711106"   "4730468"   "4732019"   "4888967"   "4918949"   "4964285"   "5004133"   "5022243"   "5027630"   "5050413"   "5063763"   "5142888"   "5152160"   "5197314"   "5216903"   "5269161"   "5272894"   "5284038"   "5437515"   "5447045"   "5467619"   "5507611"   "5540065"   "5664445"   "5676258"   "5794465"   "6055832"   "6145866"   "6409283"   "6412315"   "D295719"   "D401131"   "D428795"   "D439827"   "D444050"   "D447043"   "D454293"   "D461392"   "D488701").PN. OR ("D524142").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:23
L14	108	9 10 11 12 13	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 21:00
L15	7	("325221").URPN.	USPAT	OR	ON	2006/12/06 20:35
L16	14	("2454856"   "2682414"   "3011801"   "3865407"   "4087112"   "4555125").PN. OR ("6145866").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:36
L17	10	("2367874"   "3011801").PN. OR ("4087112").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 20:37
S1	10	("2997909" "20010054807" "0325221" "3673910" "3861267" "4207794" "5437515" "5507611" "6145866" "6409203").PN.	US-PGPUB; USPAT	OR	ON	2006/06/19 11:02
S2	365	(411/340).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/15 23:09

## EAST Search History

S3	3	("0581693").PN. OR ("5507611").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 23:12
S4	1	("581693").URPN.	USPAT	OR	ON	2006/06/15 23:13
S5	15	("1229851"   "1281000"   "2185782"   "3673910"   "3861268"   "3909180"   "3926294").PN. OR ("4367569").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 23:18
S6	341	(280/515).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/16 12:38
S7	242	hitch\$4 with pin same angle\$4 and hitch\$4 with pin same (locking or retention or retaining)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/15 23:22
S8	0	("2002/0003342").URPN.	USPAT	OR	ON	2006/06/15 23:29
S9	0	("2002/0003342").URPN.	USPAT	OR	ON	2006/06/15 23:29
S10	10	("0324876"   "1354410"   "4392663"   "4473991"   "4986059").PN. OR ("5056301").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/15 23:36
S11	2	("2299308").URPN.	USPAT	OR	ON	2006/06/15 23:44
S12	1	("2224522").URPN.	USPAT	OR	ON	2006/06/15 23:44
S13	28	(US-20020154965-\$ or US-20010054807-\$ or US-20050129482-\$).did. or (US-6685408-\$ or US-6250865-\$ or US-5507611-\$ or US-5437515-\$ or US-5215418-\$ or US-5112155-\$ or US-4822197-\$ or US-4508479-\$ or US-4406108-\$ or US-4367569-\$ or US-3673910-\$ or US-5009444-\$ or US-5056301-\$ or US-4348790-\$ or US-3433118-\$ or US-3432197-\$ or US-3077810-\$ or US-2299308-\$ or US-2224522-\$ or US-1990289-\$ or US-1112871-\$ or US-1012475-\$ or US-0780039-\$ or US-0632540-\$). did. or (EP-382650-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/06/15 23:58

## EAST Search History

S14	31	(US-20020154965-\$ or US-20010054807-\$ or US-20050129482-\$).did. or (US-6685408-\$ or US-6250865-\$ or US-5507611-\$ or US-5437515-\$ or US-5215418-\$ or US-5112155-\$ or US-4822197-\$ or US-4508479-\$ or US-4406108-\$ or US-4367569-\$ or US-3673910-\$ or US-5009444-\$ or US-5056301-\$ or US-4348790-\$ or US-3433118-\$ or US-3432197-\$ or US-3077810-\$ or US-2299308-\$ or US-2224522-\$ or US-1990289-\$ or US-1112871-\$ or US-1012475-\$ or US-0780039-\$ or US-0632540-\$ or US-4526396-\$ or US-3081663-\$). did. or (US-2204116-\$).did. or (EP-382650-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/06/16 00:13
S15	98	("6118659" "6175499" "6071035" "5833100" "4549651" "4579406" "4806856" "5551668" "5598775" "5632437" "5695593" "5699140" "5716493" "6209766" "6209766" "6243267" "6244875" "5253907" "6155441" "4271936" "4274450" "4277434" "4329612" "4339223" "4355743" "4378129" "4579034" "4609233" "4773089" "4864751" "5199756" "5279233" "5301580" "5312134" "5325689" "5460467" "5586485" "5741007" "5755391" "5863214" "5906449" "6035743" "6098496" "6145416" "6186395" "6230910" "6254205" "6412315" "6442880" "6481681").pn. ("6843072" "5727430" "5737977" "5785626" "6014916" "6047615" "6053074" "6062406" "6105465" "6282738" "6412126" "5518332" "4255836" "4508403" "4907230" "5027063" "5183404" "5336099" "5338210" "5396402" "5521439" "5547401" "5653617" "5677247" "5692911" "5727972" "5805419" "5816832" "5938480" "6005403" "6026895" "6113399" "6166554" "6223814" "6223814" "3874443" "4132946" "4261121" "4272644" "4372680" "4390220" "4481614" "4607685" "4618208" "4620632" "4797118" "4816751" "4856060" "4878108" "4903379").pn.	US-PGPUB; USPAT	OR	ON	2006/06/16 12:23

## EAST Search History

S16	32	(US-20010054807-\$ or US-20050129482-\$ or US-20020154965-\$).did. or (US-5507611-\$ or US-5437515-\$ or US-3673910-\$ or US-6685408-\$ or US-6250865-\$ or US-5215418-\$ or US-5112155-\$ or US-4822197-\$ or US-4406108-\$ or US-4508479-\$ or US-4367569-\$ or US-4348790-\$ or US-3433118-\$ or US-3432197-\$ or US-3077810-\$ or US-2299308-\$ or US-2224522-\$ or US-1990289-\$ or US-1012475-\$ or US-0780039-\$ or US-0632540-\$ or US-1112871-\$ or US-4526396-\$ or US-3081663-\$ or US-2204116-\$ or US-5056301-\$). did. or (US-5009444-\$ or US-6412315-\$).did. or (EP-382650-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/06/16 12:43
S18	1	10/710253	US-PGPUB; USPAT; EPO	OR	ON	2006/06/16 12:44
S19	18	("0325221"   "1500132"   "1732508"   "3516644"   "3861267"   "4004393"   "4822197"   "5112155").PN. OR ("5437515"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 12:49
S20	13	("0156198"   "0687809"   "1168257"   "1340470"   "3127808"   "3861268"   "4406108").PN. OR ("5215418").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 12:58
S21	16	("3084953"   "3329402"   "3765703"   "3807767"   "4431208"   "4537416"   "4784068"   "4911460").PN. OR ("5009444"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 13:00
S22	20	("2077825"   "2180558"   "2367874"   "2430143"   "2436210"   "2483111"   "3011801"   "3197239"   "3865407"   "4087112").PN. OR ("4526396"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/16 13:08
S23	2438	self near5 (coupling or coupled or hitched or hitching or locking or locked or lackable or hitchable or coupl\$5) with pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:09



## EAST Search History

S24	1088	self near2 (coupling or coupled or hitched or hitching or locking or locked or lackable or hitchable or coupl\$5) near5 pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:32
S25	555	self adj (coupling or coupled or hitched or hitching or locking or locked or lackable or hitchable or coupl\$5) near2 pin	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:32
S26	80	self adj (coupling or coupled or hitched or hitching or locking or locked or lackable or hitchable or coupl\$5) near2 pin and (nub or protrusion or protuberance or ear)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 13:44
S27	180	integrated with pin with clip	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/16 14:19
S30	0	vehicle adj drawbar adj pins.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/16 14:07
S31	37	(US-20010054807-\$ or US-20050129482-\$ or US-20020154965-\$ or US-20040265049-\$).did. or (US-5507611-\$ or US-5437515-\$ or US-3673910-\$ or US-6685408-\$ or US-6250865-\$ or US-5215418-\$ or US-5112155-\$ or US-4822197-\$ or US-4406108-\$ or US-4508479-\$ or US-4367569-\$ or US-4348790-\$ or US-3433118-\$ or US-3432197-\$ or US-3077810-\$ or US-2299308-\$ or US-2224522-\$ or US-1990289-\$ or US-1012475-\$ or US-0780039-\$ or US-0632540-\$ or US-1112871-\$ or US-4526396-\$ or US-3081663-\$ or US-2204116-\$ or US-5056301-\$). did. or (US-5009444-\$ or US-6412315-\$ or US-4087112-\$ or US-2483111-\$ or US-2436210-\$ or US-4997218-\$).did. or (EP-382650-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2006/06/16 14:24
S32	2	("5865559").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/16 14:19

## EAST Search History

S33	6	hitch adj pin adj retainer	US-PGPUB; USPAT; EPO	OR	ON	2006/06/16 14:24
S35	635	(411/41,34).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/19 11:03
S36	635	(411/41,34).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/06/19 11:08
S37	37	S36 and mandrel same head same diameter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:32
S38	831	mandrel same head same diameter near5 (percent\$4 or small\$3 or larg\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:32
S39	47	mandrel same head same diameter same (protrusion or protuberance or taper\$4) near5 (percent\$4 or small\$3 or larg\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:33
S41	34	S36 and mandrel and head same diameter near5 (percent\$4 or small\$3 or larg\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/06/19 12:32